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24 February 1969

MEMORANDUM FOR: Comptroller, Directorate of Science and Technology

SUBJECT : DCI Annual Program Review

1. Attached is somewhat larger than planned, but . . . Perhaps the six listed items in Section I. could be made into a single board re OCS.

2. The fundamental point is that OCS accomplishments most meaningful to the Director can best be made by such diverse users as OSP, NIPE or OP. In fact we have really arrived where such support is taken for granted. Otherwise, our accomplishments are internal to OCS, i. e., in making more efficient the equipment we have, and in making more professional the staff we have acquired.

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CHARLES A. BRIGGS

Director of Computer Services

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BACKGROUND FOR DCI ACCOMPLISHMENTS REVIEW

I. People: Since the December 1967 report, the professional and technical cadre building effort showed increasing payoff. Recruiting channels netted an additional [] making the on-board increase from the beginning of FY-67--when the push began--a total of []. Our full-time 16-week programmer training course for beginners included some [] intermediate level training was given [] and the ADP Orientation Course, which we inherited from OTR, included [] users/managers. The end result of all this is that we now have:

- A balanced capability across a full range of techniques.
- A sound, if modest, support to S&T activities--against practically no S&T capability 2-3 years ago.
- Good esprit de corps.
- Improved perspective on the part of customers.
- Better informed managers now involved in making ADP decisions.
- Responsive rather than a sales environment.

II. Machines: During the reporting period the last of the 2nd generation equipment was released (the RCA 301/501); multiple tasking in a single system began and some 13 terminals began operating in a time-sharing environment--the start of what may well be a major change in analyst/manager processing of files of data. Also a computer/communication link was established with OSP for on-line command and control support, presaging the future. Renovation of the Computer Center began in accord with space plans approved 2-1/2 years ago. Capacity to handle the burgeoning requirements was reflected in a 72% increase in jobs handled by the IBM systems over 1967.

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III. Conclusions: Although some major problems, and management issues, remain, the basic policy approach toward an ADP-supported future, taken in FY-67, is bearing fruit. Costs will continue to rise but the cost per unit of support will continue to decrease. There is no reason to believe that we won't see here a pattern like that reflected by the University of California in its 5-Year ADP Study, viz., a 70-fold increase in requirements at an estimated 5-fold increase in cost.

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